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**TITLE:** FILLER FOR PAVING ASPHALT  
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**INVENTOR-INFORMATION:**

NAME	COUNTRY
HIRANO, KENKICHI	
TAKIGAWA, ISAO	

**ASSIGNEE-INFORMATION:**

NAME	COUNTRY
DENKI KAGAKU KOGYO KKN/A	

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**ABSTRACT:**

**PURPOSE:** The titled filler, consisting of a dry unburned portland cement raw material powder with a low moisture content, a specific hydraulic modulus, silica modulus, iron modulus, and activity index, and capable of improving the abrasion resistance of an asphalt composition.

**CONSTITUTION:** A filler consisting of a mixed material powder of unburned portland cement, taken out of a step from the outlet of a raw material pulverizer and the inlet of a primary burning furnace, and having a hydraulic modulus ( $\text{CaO}/(\text{SiO}_2 + \text{Al}_2\text{O}_3 + \text{Fe}_2\text{O}_3)$ ) of 1.7 2.3, a silica modulus ( $\text{SiO}_2/(\text{Al}_2\text{O}_3 + \text{Fe}_2\text{O}_3)$ ) of 1.8 3.2, an iron modulus ( $\text{Al}_2\text{O}_3/\text{Fe}_2\text{O}_3$ ) of 0.7 2.0, an activity index ( $\text{SiO}_2/\text{Al}_2\text{O}_3$ ) of 2.5 8.0, a low moisture content, preferably  $\leq 0.1\text{wt}\%$ , and a fineness of 200 7,000 $\text{cm}^2/\text{g}$  expressed in terms of the specific surface area measured by the Blaine method. The addition of the resultant filler in an amount of 3 15 $\text{wt}\%$  to an aggregate improves the abrasion resistance

compared with the addition of the limestone powder, and the amount of asphalt to be used is reduced by about 20%.

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